

Doing Interdisciplinary

Health Disparities: Leaders, Providers, Patients

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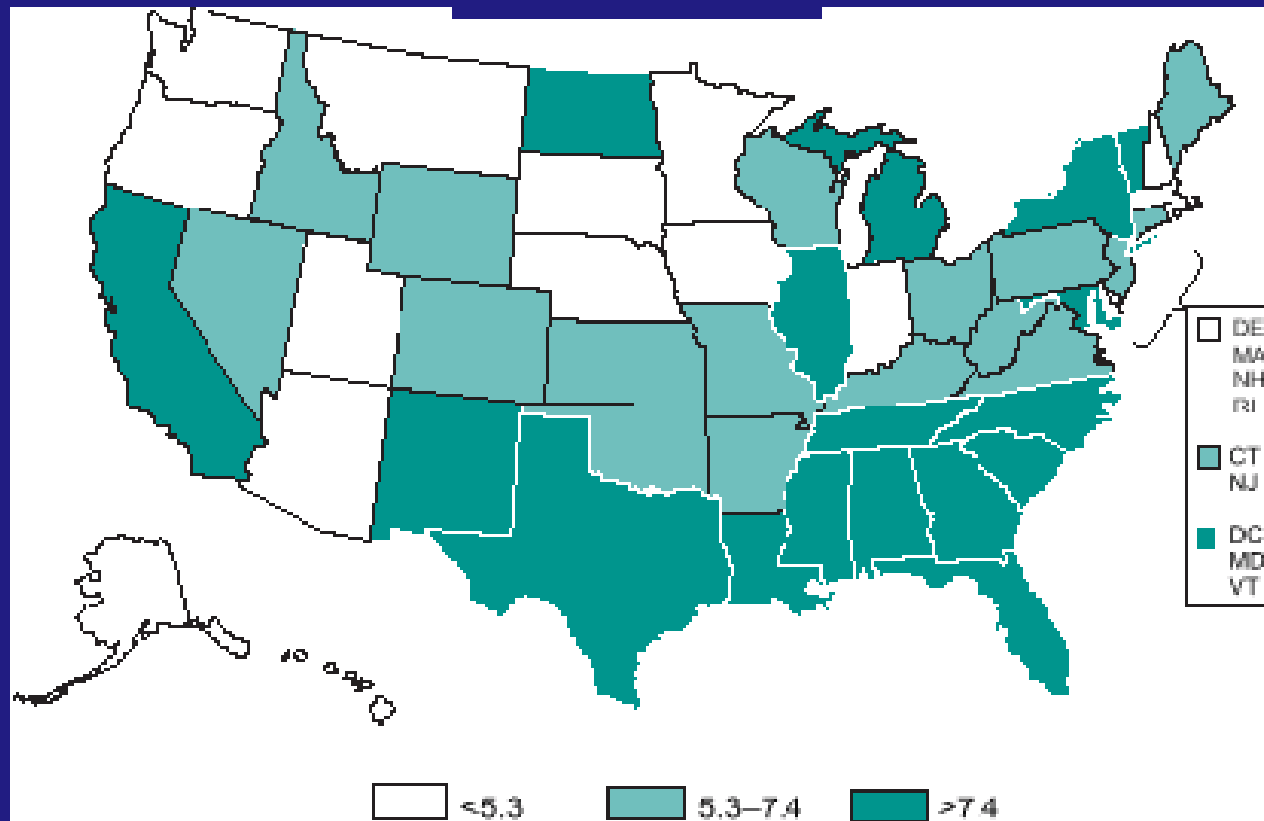
Research Scientist, Center for Practice Management, AAVAMC

Health Disparities: Leaders, Providers and Patients

- Scott Ransom—PI—OB/GYN/Health Management
- Lynn Wooten—Core Lead—Business Administration
- Briggett Ford—Core Lead—Social Work
- Paula Lantz—Public Health/Social Research
- Kris Siefert—Social Work
- Jody Lori—Nurse Midwifery
- Elizabeth Yakel—Information
- Sharon Kardia--Genetics
- Antonia Villarruel—Nursing
- Vasantha Padmanabhan—Molecular Biology
- Tim Johnson—OB/GYN, Women's Studies
- Laurence Seiford—Operations Engineering
- Xiao Xu—Health Economics
- Cameron Shultz—Health Management
- Debra Hevenstone—Sociology
- Adreanne Waller—Health Department
- Lise Anderson—Public Health/OB/GYN
- Joy Pinkerton—Nursing/OB/GYN

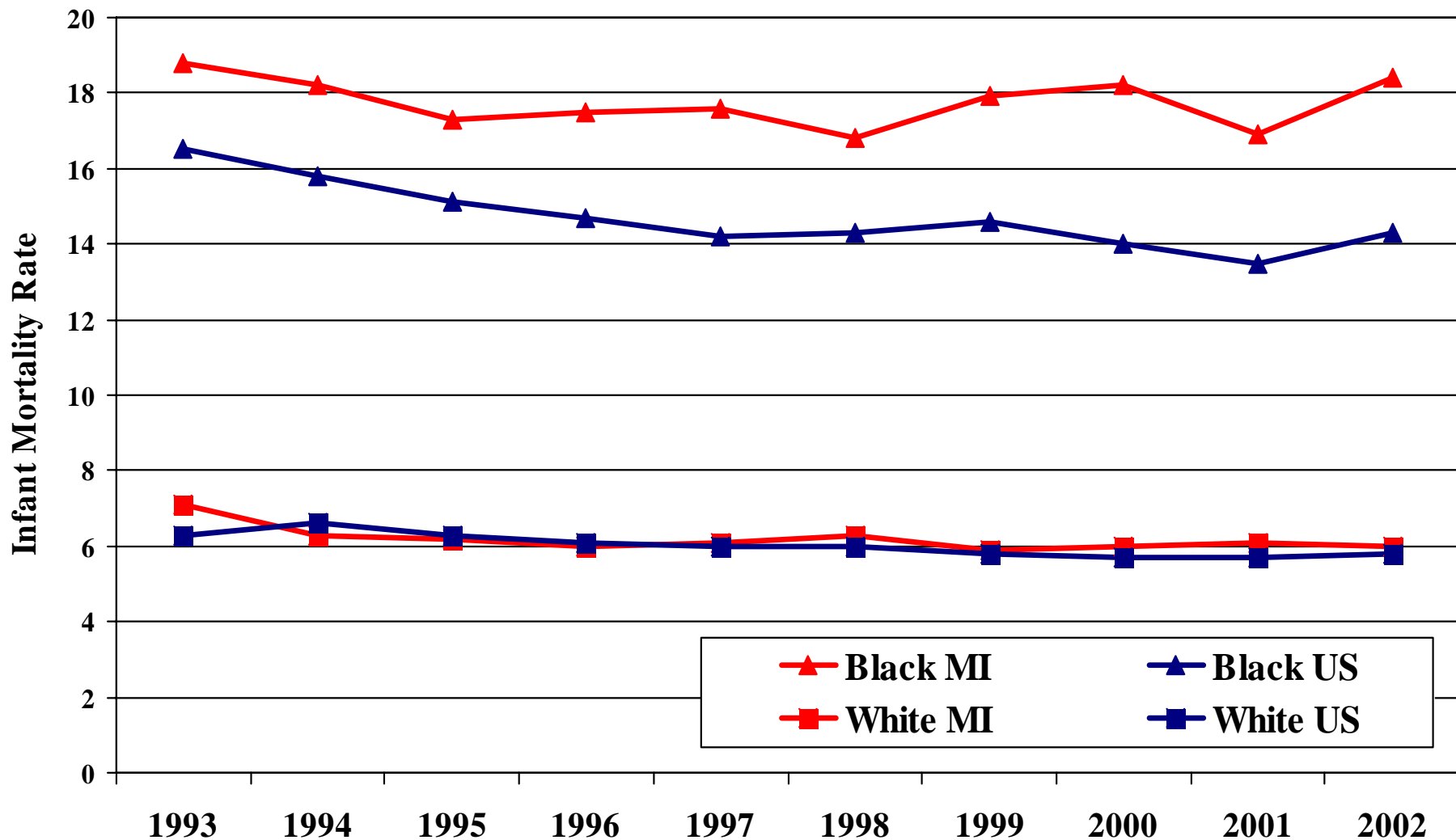


African American women are 4 times more likely than White women to die of pregnancy-related complications

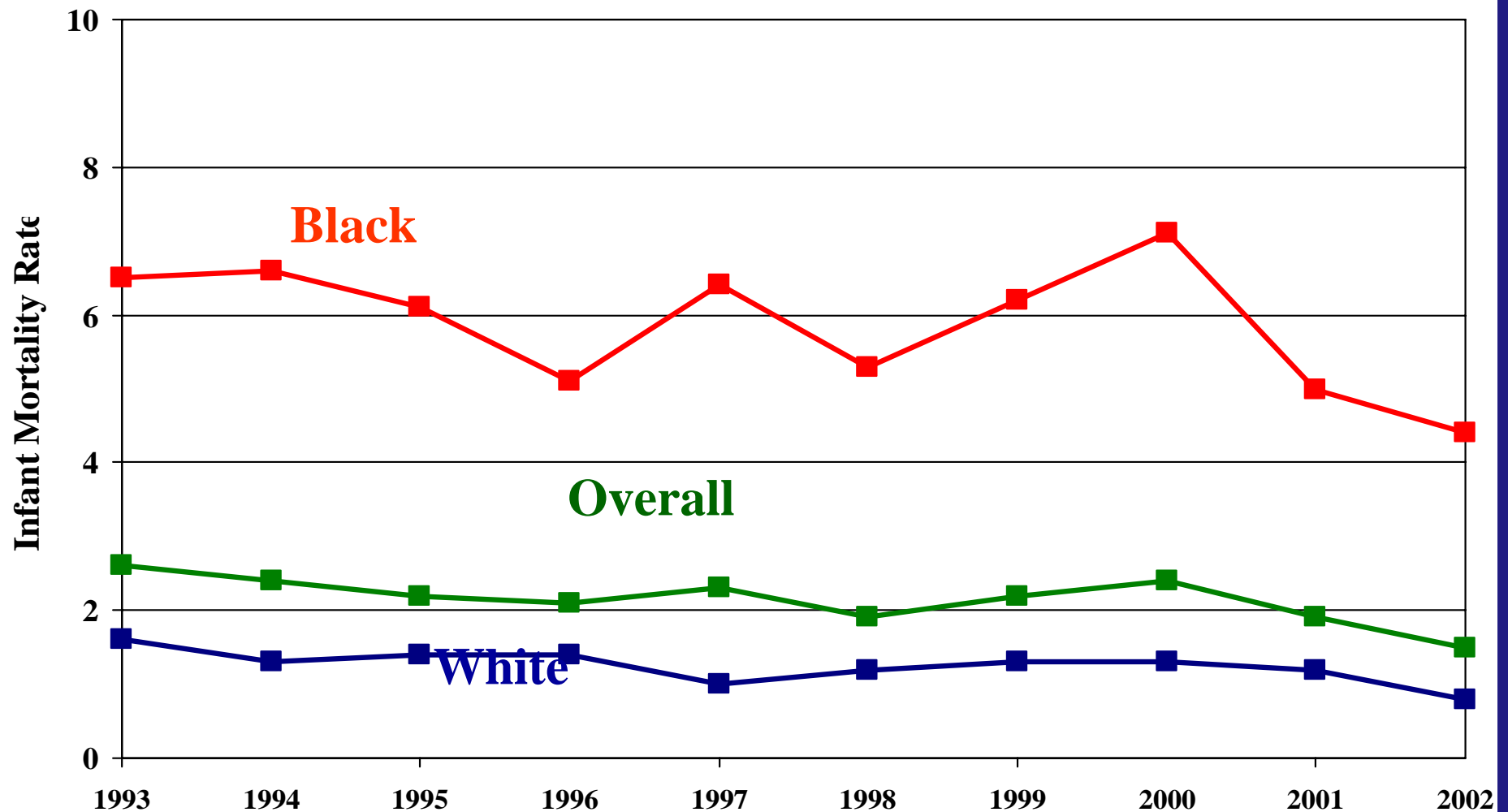


Deaths during pregnancy or within 42 days after pregnancy, per 100,000 live births (CDC, National Center for Health Statistics)

Race specific Infant Mortality Rate Michigan compared to US



Race specific Infant Mortality Rate due to LBW/Prematurity Michigan, 1993-2002



Our Goals:

1. Build a science base that will lead to the elimination of disparities
2. Improve pregnancy outcomes for African American women



Project Developmental Phases

- Dec 04 – June 05
- May 05 – Sept 05
- August 05 – Dec 05
- Jan 06 – Present

Hypothesis generation

Team formation

*Research aims
(abstract) development*

*Research project
development*



Interdisciplinary Framework

- Commonality
 - understanding the task at hand
- Organizational and conceptual framework
 - shared architecture of knowledge
- Social learning and communication
 - relationships, language, conflict
- Integration
 - becoming “we”
- Evaluation

(Klein, Julie T. 2003. Thinking About Interdisciplinarity: A Primer for Practice Colorado School of Mines Quarterly V 103, No. 1. PP 100 – 114.)

Not a Linear Process

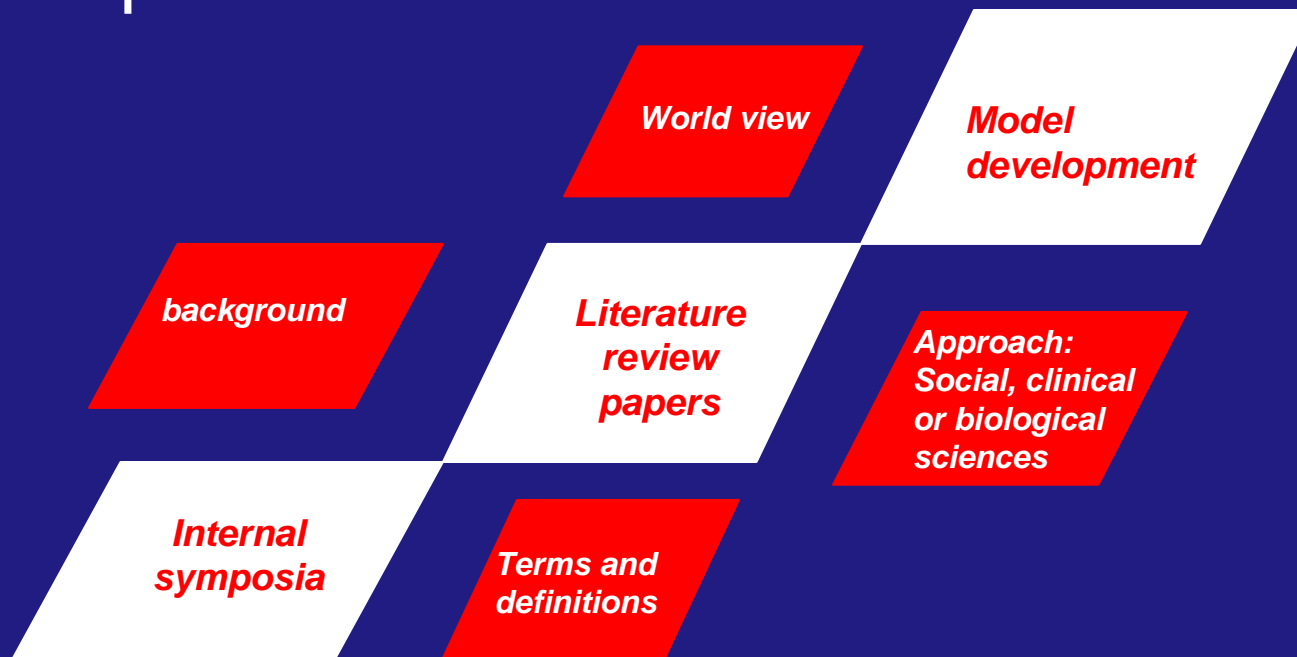


Commonality

Story One: *“What should be our focus?”*



Techniques

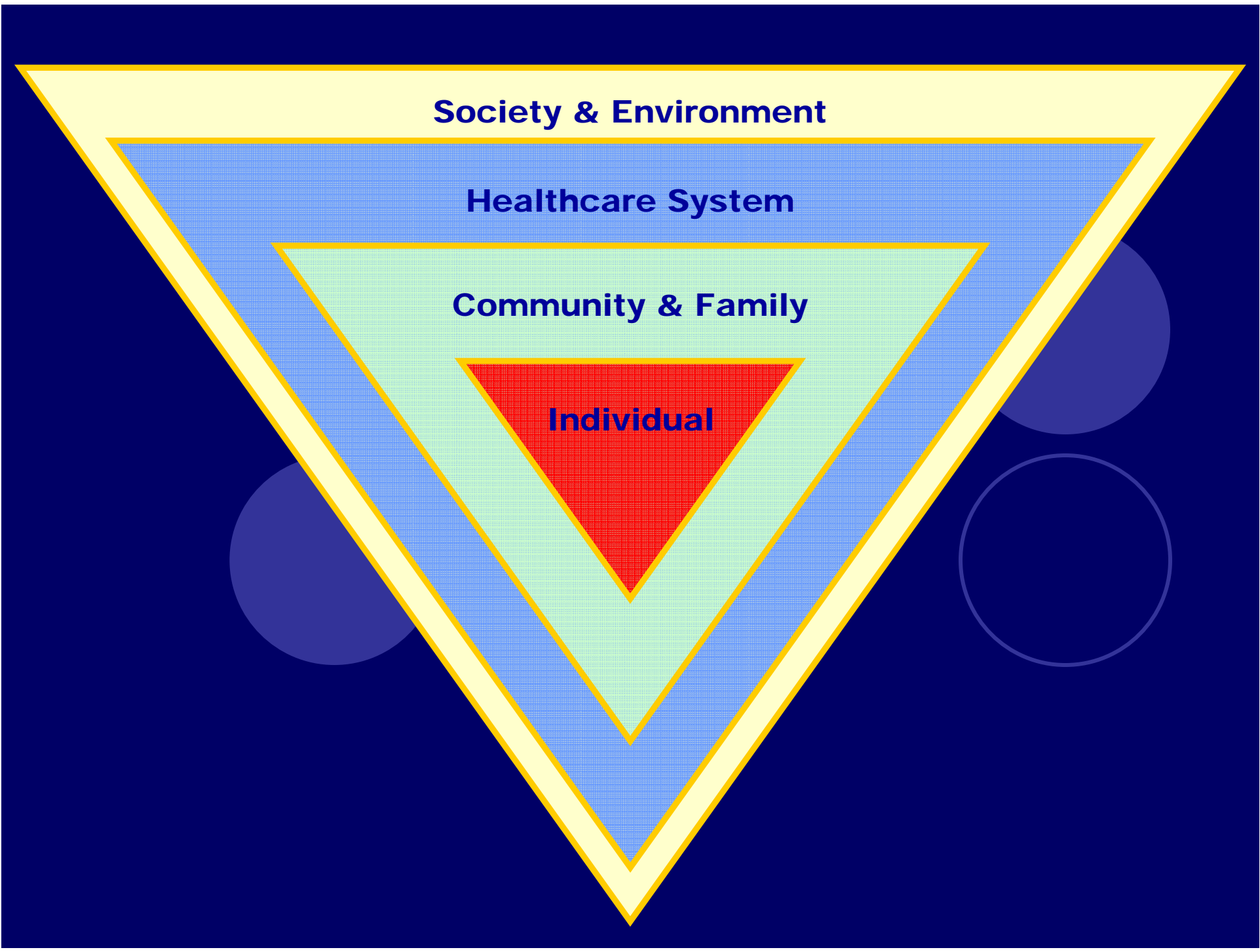


Organizational and Conceptual Framework

Story Two:

*“What is a conceptual model
anyway?”*



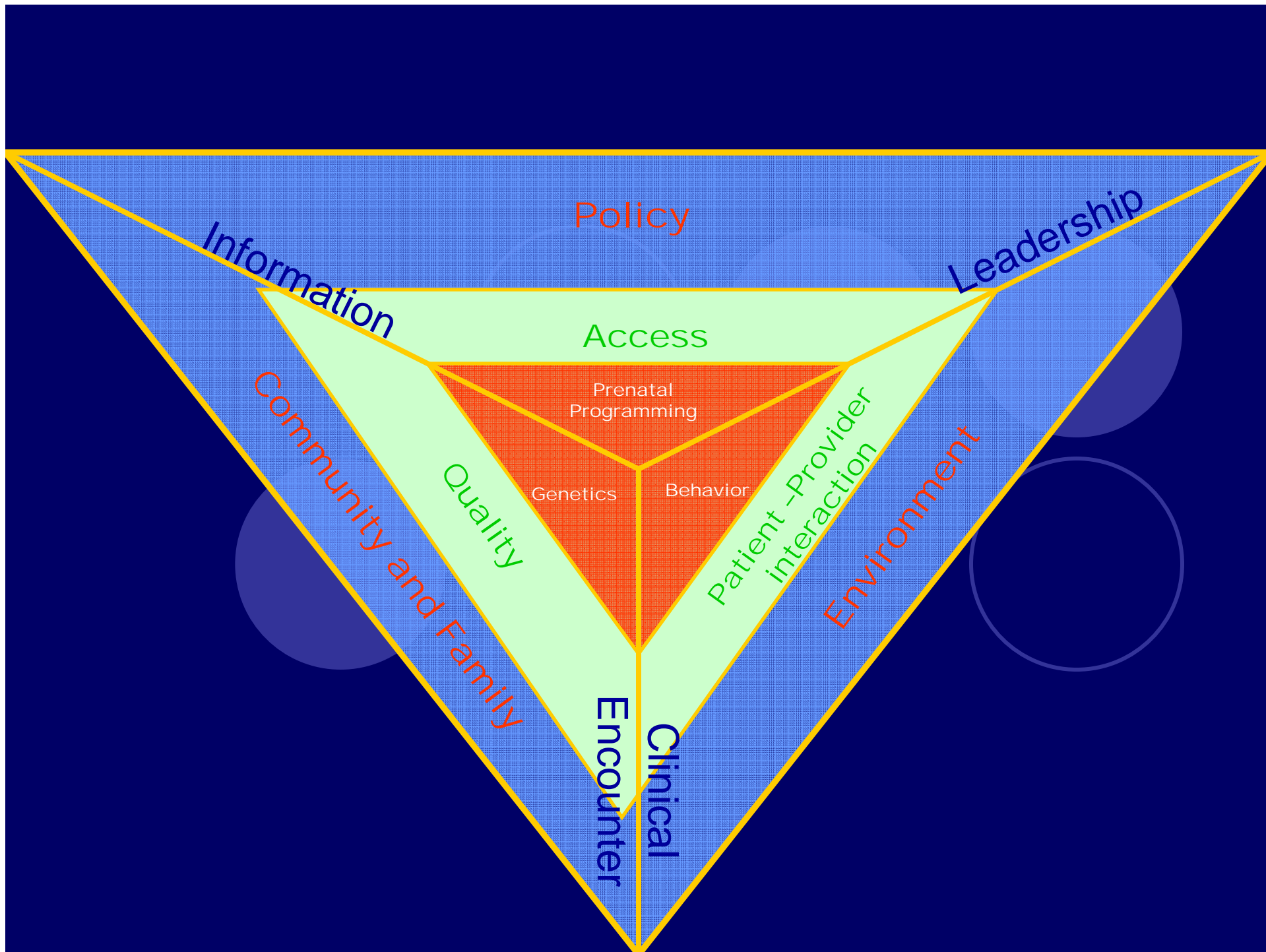


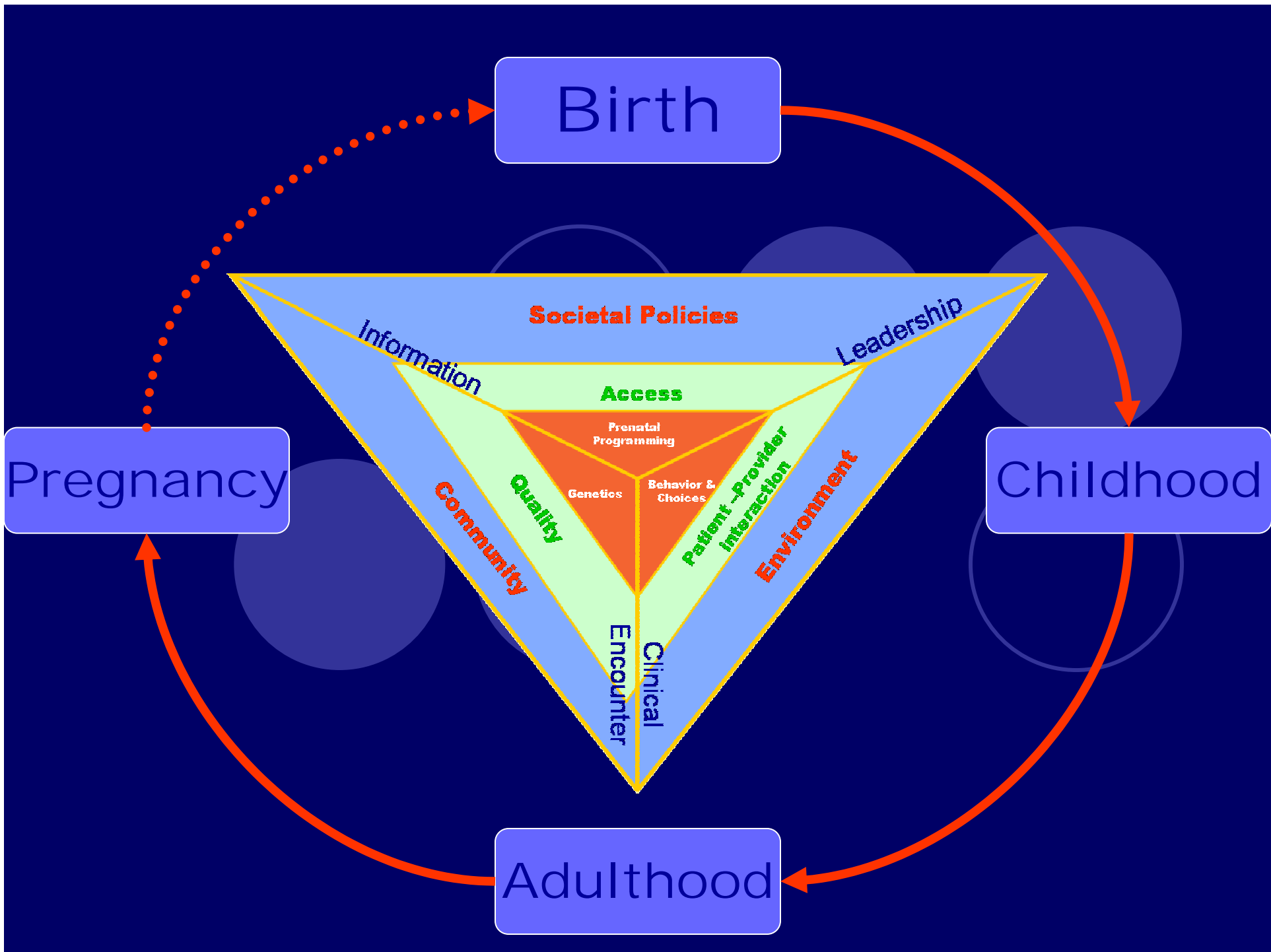
Society & Environment

Healthcare System

Community & Family

Individual





Social Learning and Communication

Story Three:

“editing misunderstandings”





Story Four: “The social worker, obstetrician, nurse and sheep researcher”

Key to Interdisciplinary work

- engagement
- flexibility
- willingness to learn

**Stress &
Endocrine
Disruptors**

**Chemical
Exposures**

Genetics

**Health Disparities:
Leaders, Providers
& Patients**

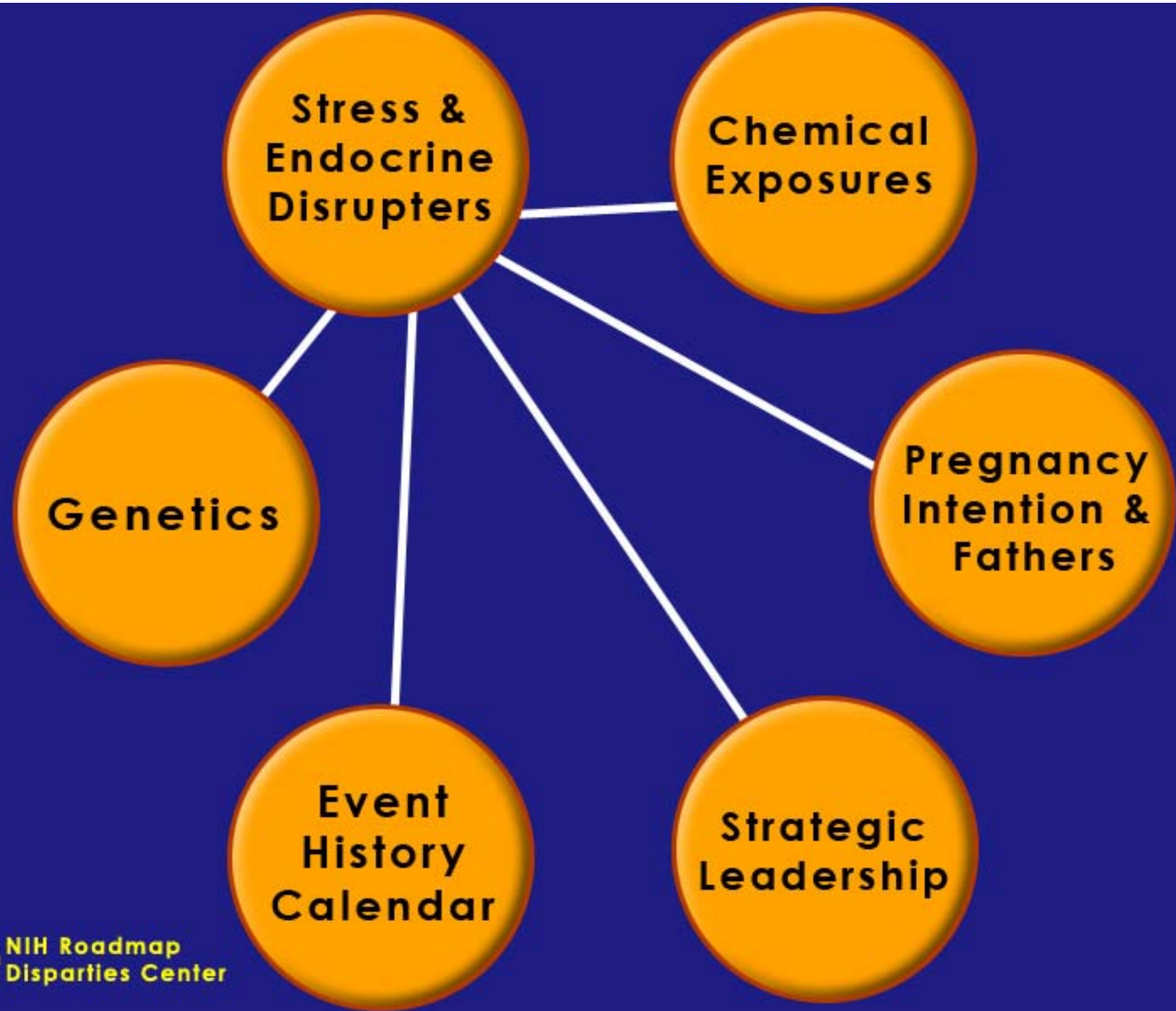
**Pregnancy
Intention &
Fathers**

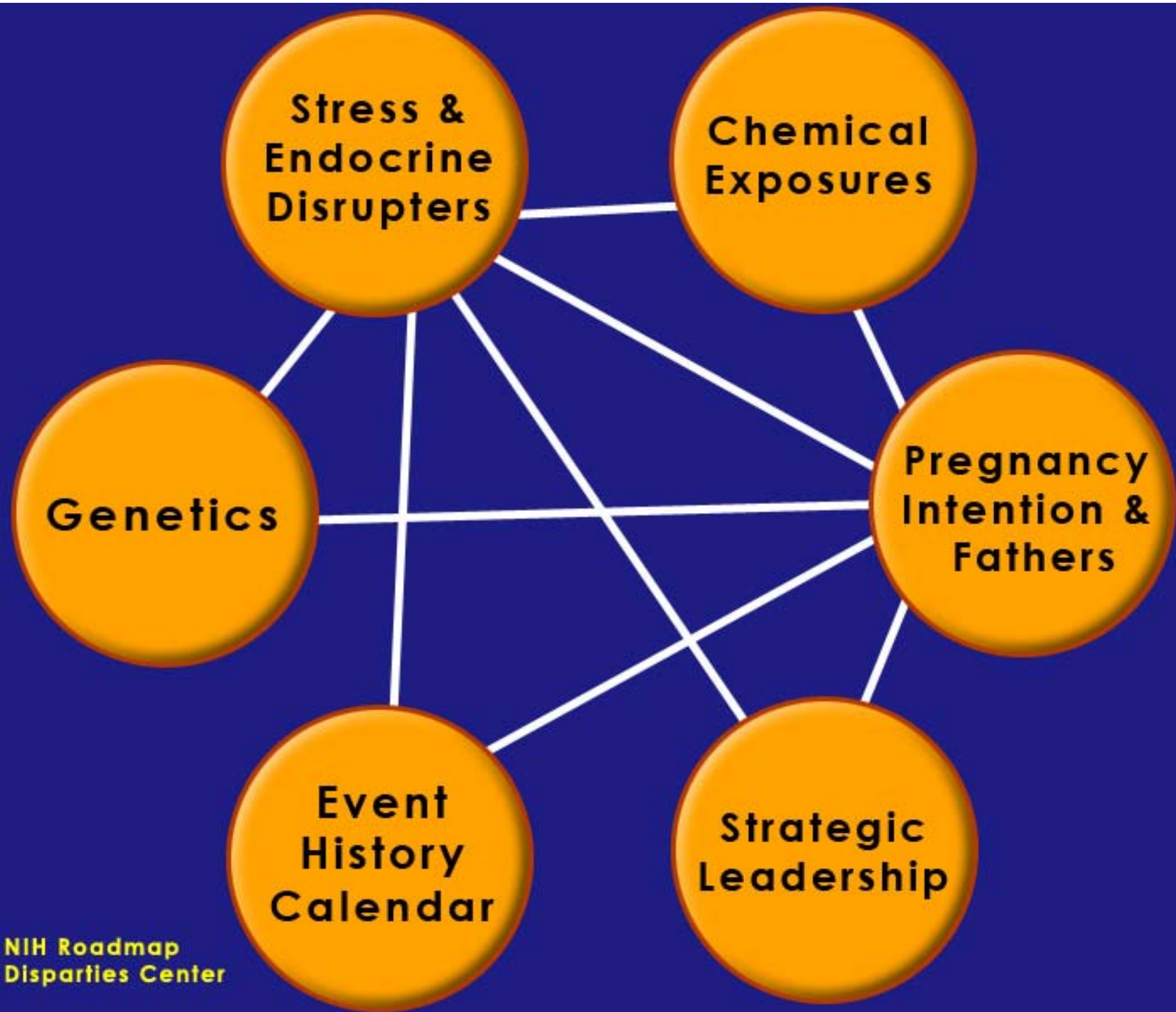
**Event
History
Calendar**

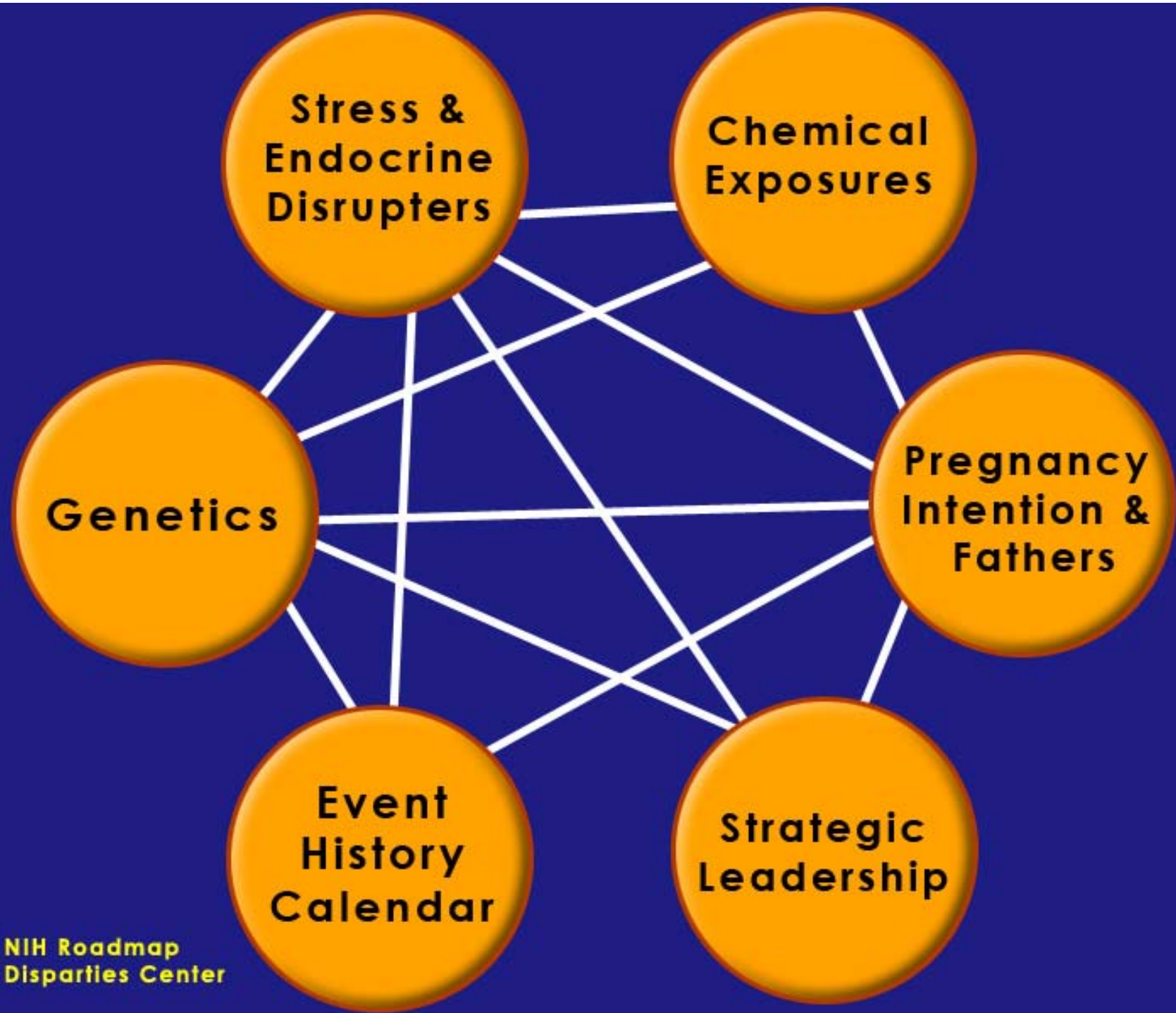
**Strategic
Leadership**

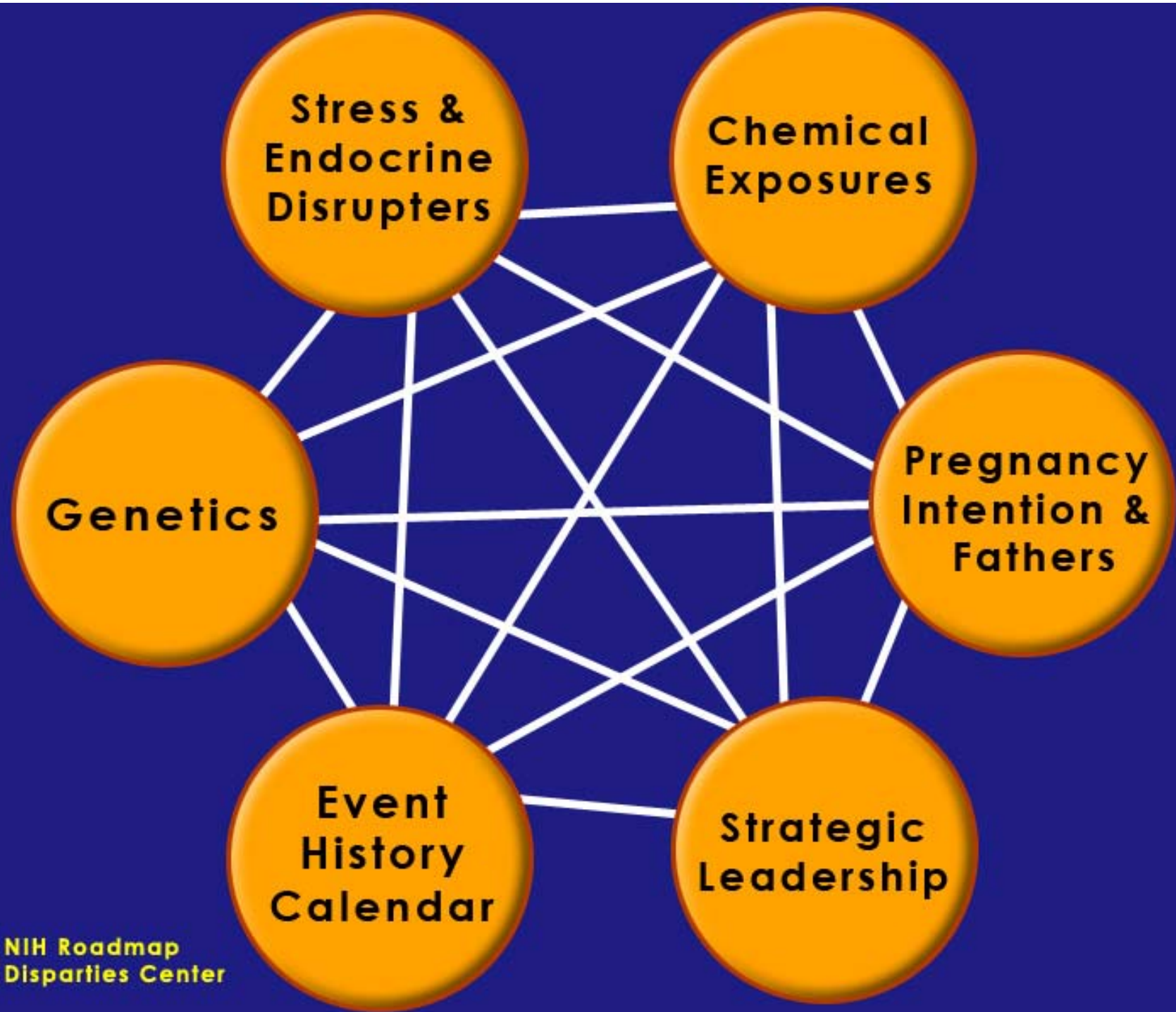


**NIH Roadmap
Disparties Center**



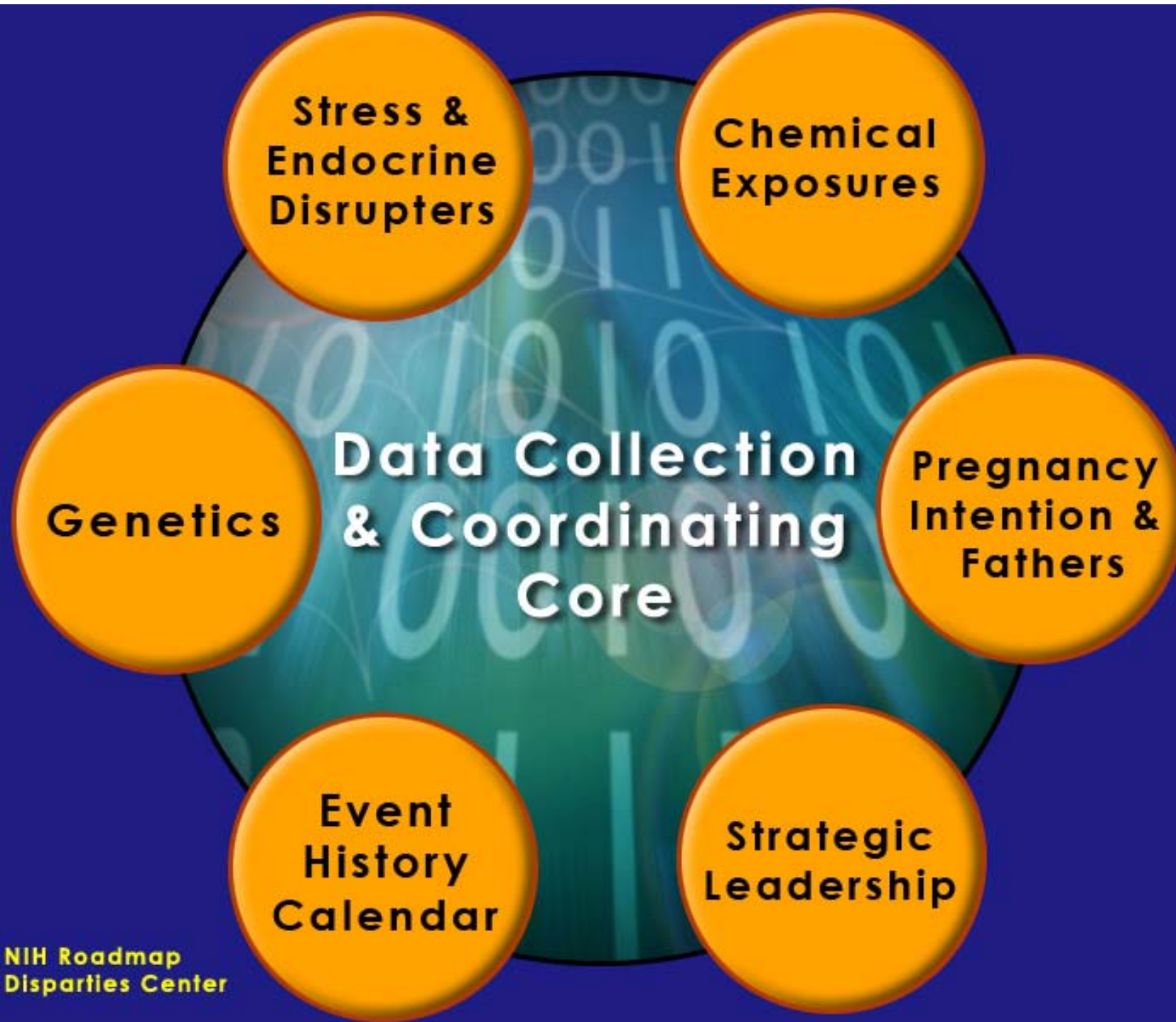








NIH Roadmap
Disparties Center





**Stress &
Endocrine
Disruptors**

**Chemical
Exposures**

Genetics

**Implementation
& Dissemination
Core**

**Pregnancy
Intention &
Fathers**

**Event
History
Calendar**

**Strategic
Leadership**



**NIH Roadmap
Disparties Center**

Improving
Pregnancy
Outcomes

Practice
Guidelines

Clinical
Improvement

Articles

Health
Improvement

Seminars

Community
Engagement

policies

Stress &
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NIH Roadmap
Disparties Center

Challenges to Interdisciplinary Research

- Where and when are the meetings?
- Travel time for meetings?
- Individual personality differences
- Conflicting goals and objectives
- Learning vocabulary
- Different problem solving methodologies
- Incentive structures misaligned
- Authorship issues
- Where to publish interdisciplinary work?
- Historical conflicts with disciplines



Questions?

